

## INDEXING VIRTUAL ATTRIBUTES IN A DIRECTORY SERVER SYSTEM

### ABSTRACT OF THE INVENTION

The invention proposes a directory server, capable of interacting with  
5 entries organized in a tree structure. Each entry has attributes, these attributes  
comprising real attributes each having a value stored in the entry. The directory  
server comprising: a mechanism capable of associating a virtual attribute to an  
entry, subject to a virtual attribute condition being verified, the virtual attribute  
condition being derived from data located elsewhere in the tree structure, and a  
10 resolving function, capable of receiving a first filter expression, based on a  
virtual attribute, for converting it into one or more second filter expressions,  
containing real attributes, and being computed from the first filter expression  
and from the virtual attribute condition.